

1/13

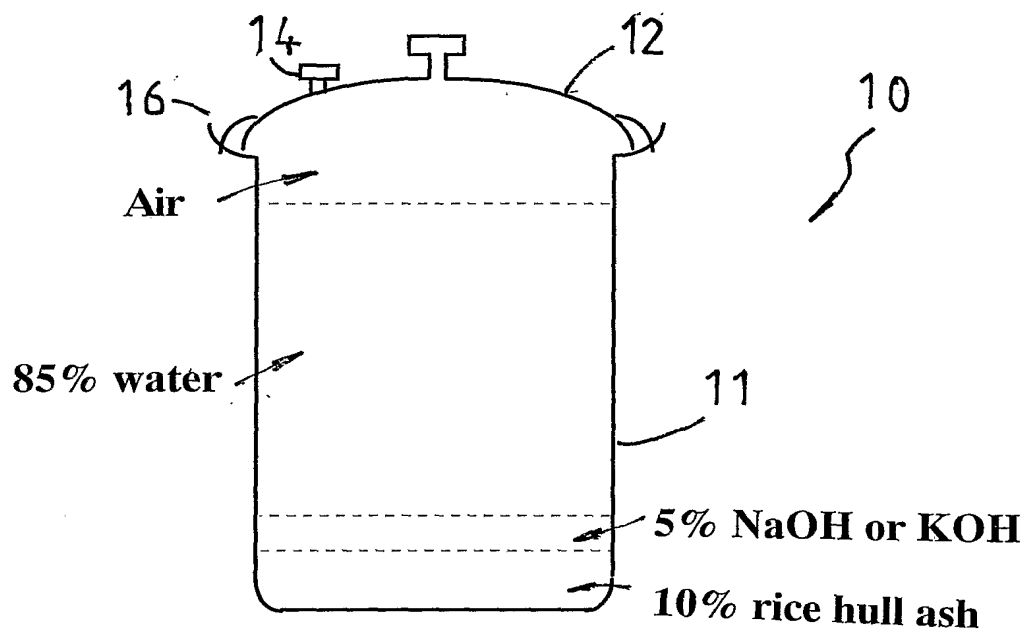


Fig. 1

2/13

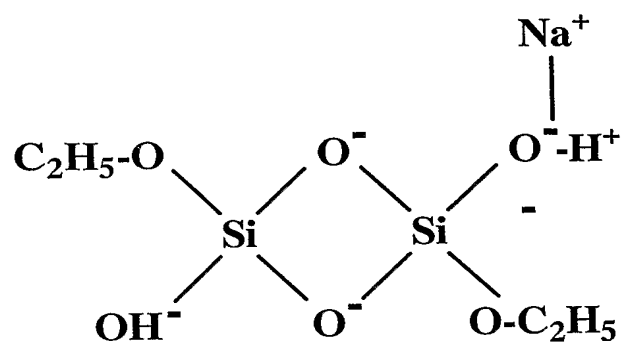


Fig. 2

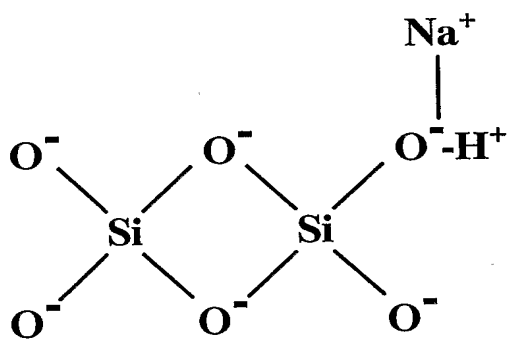


Fig. 3

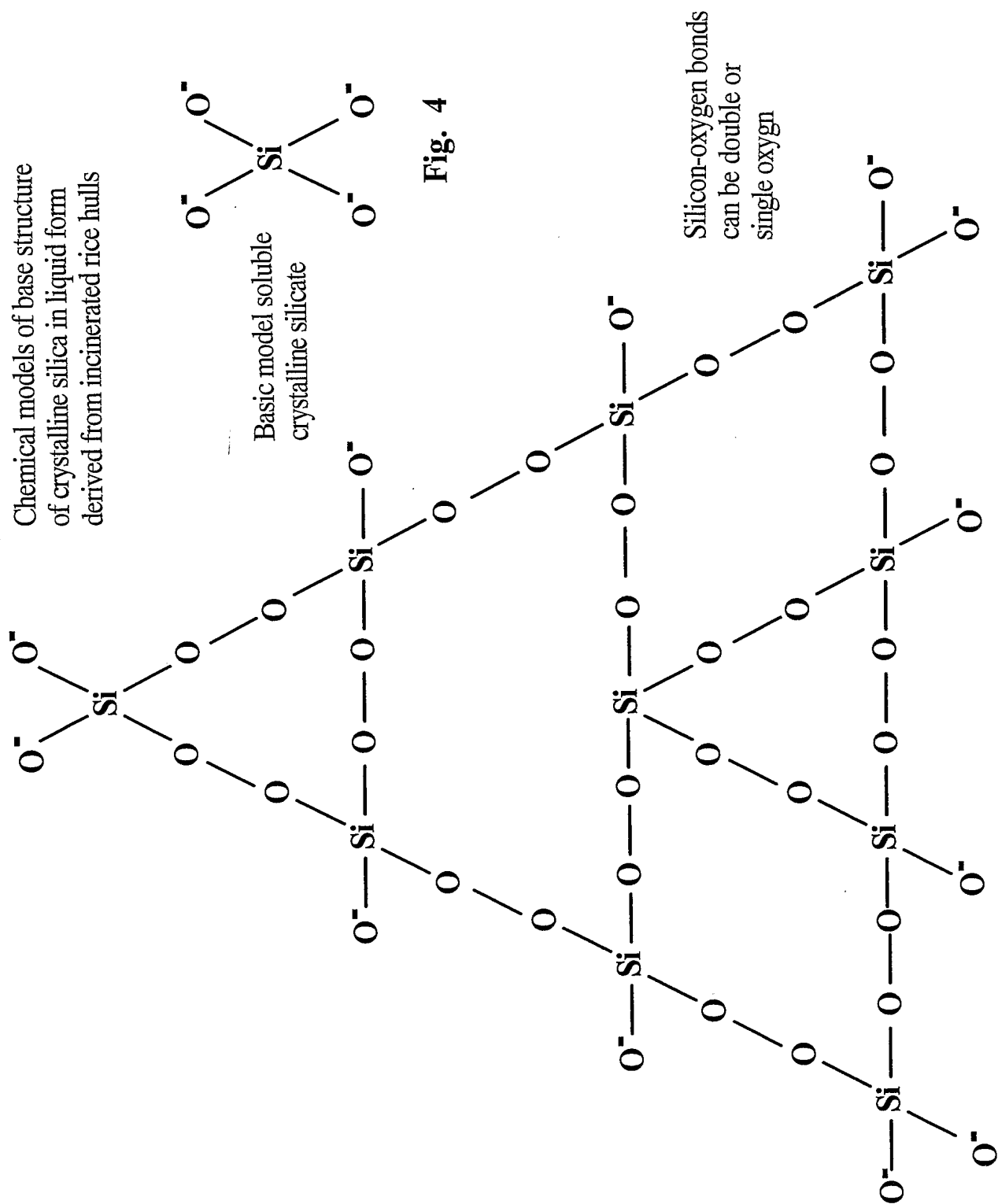


Fig. 5

4/13

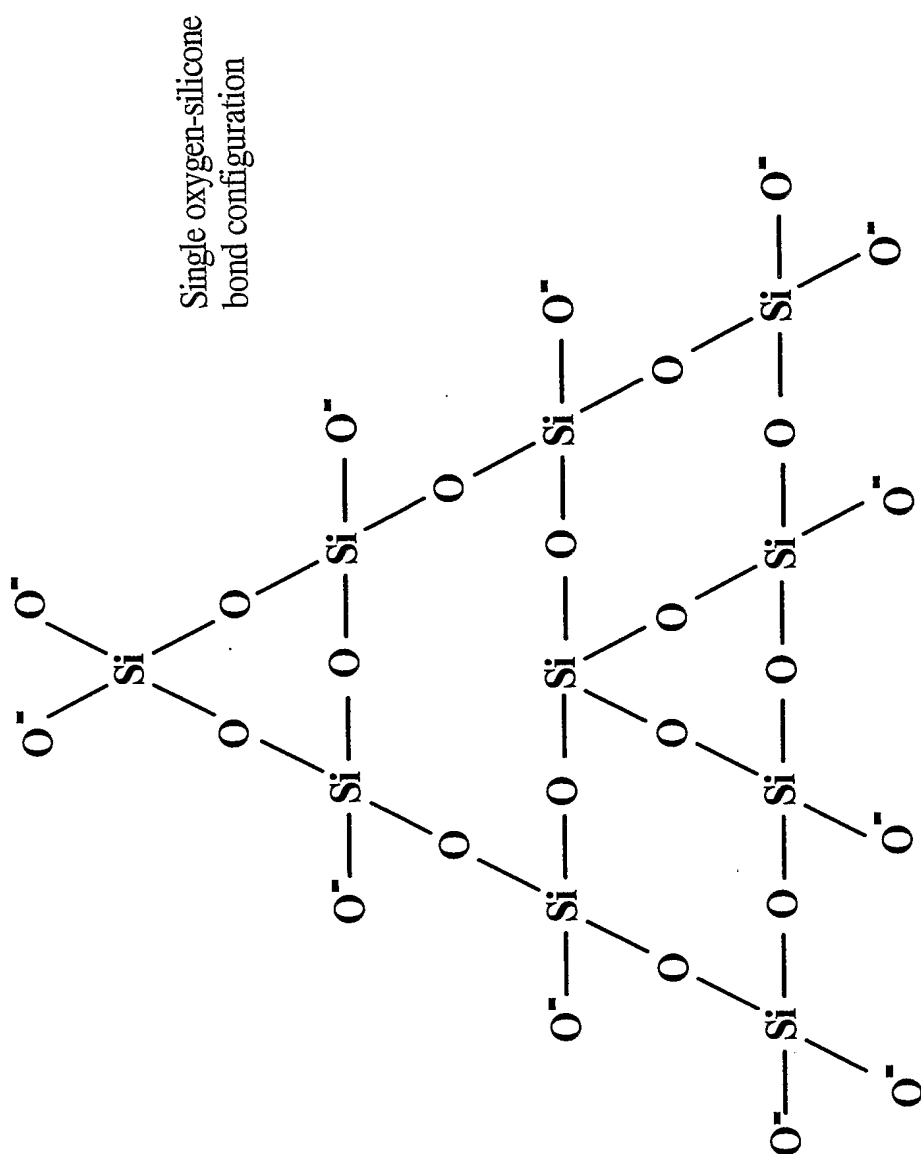
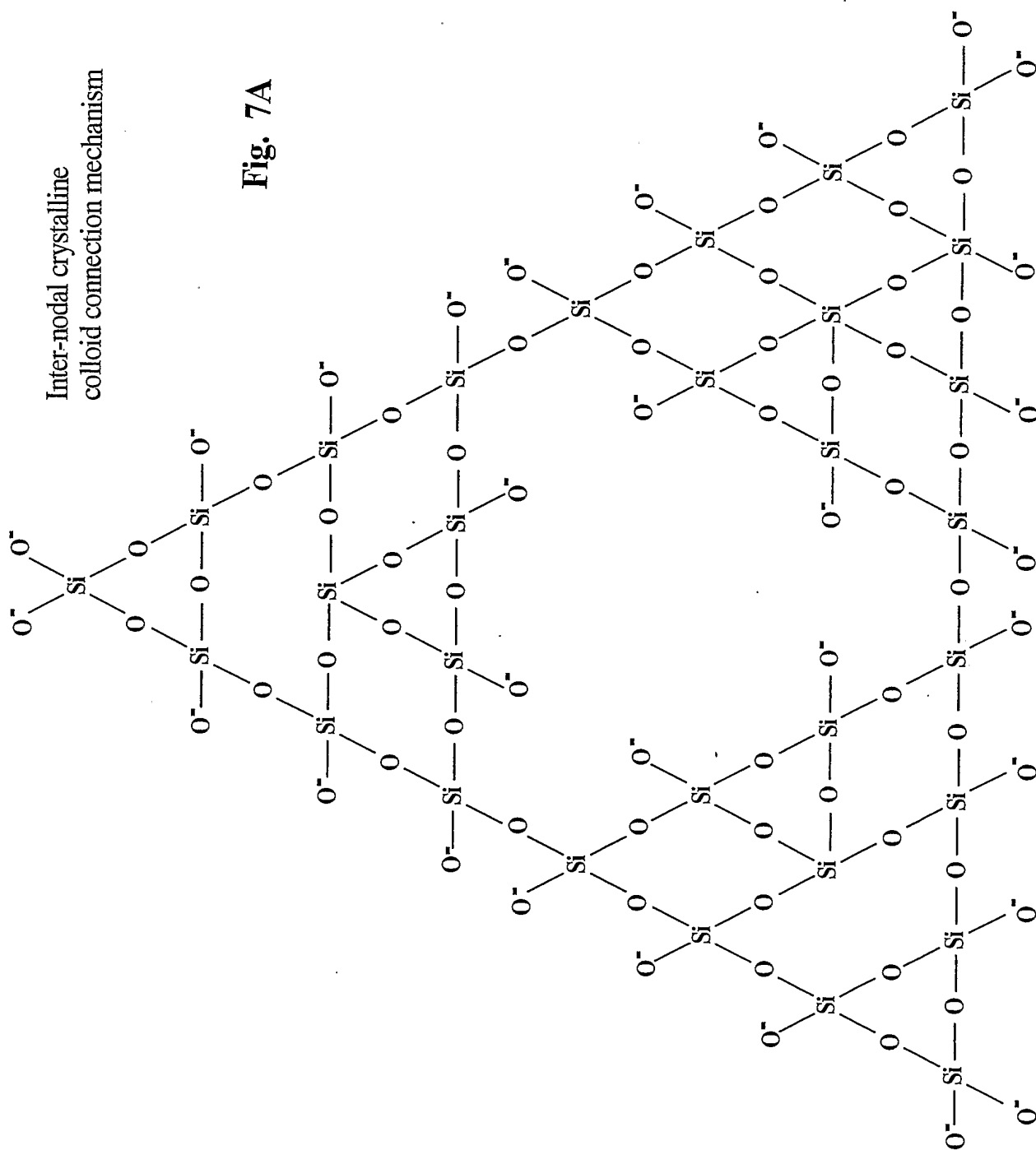
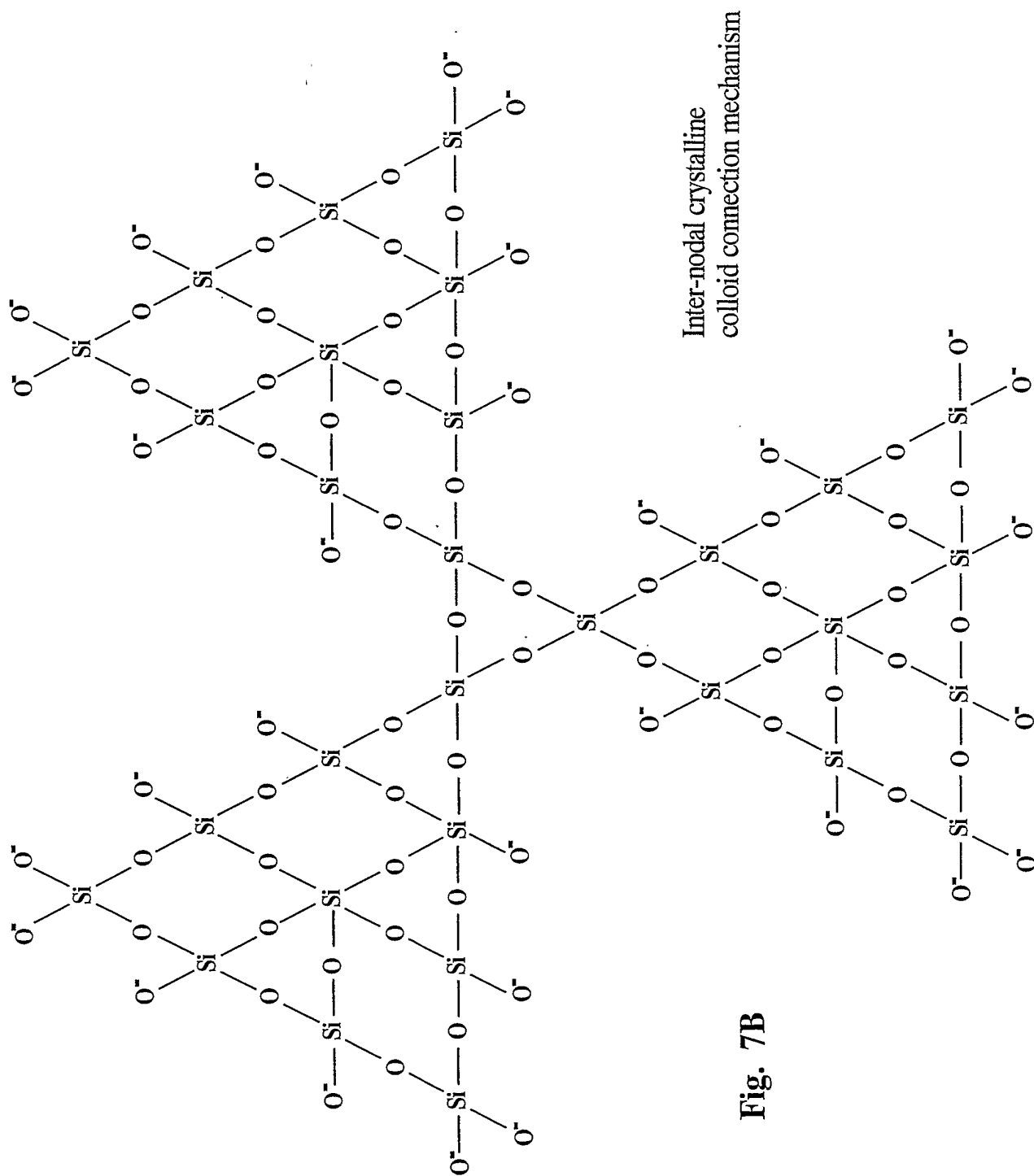


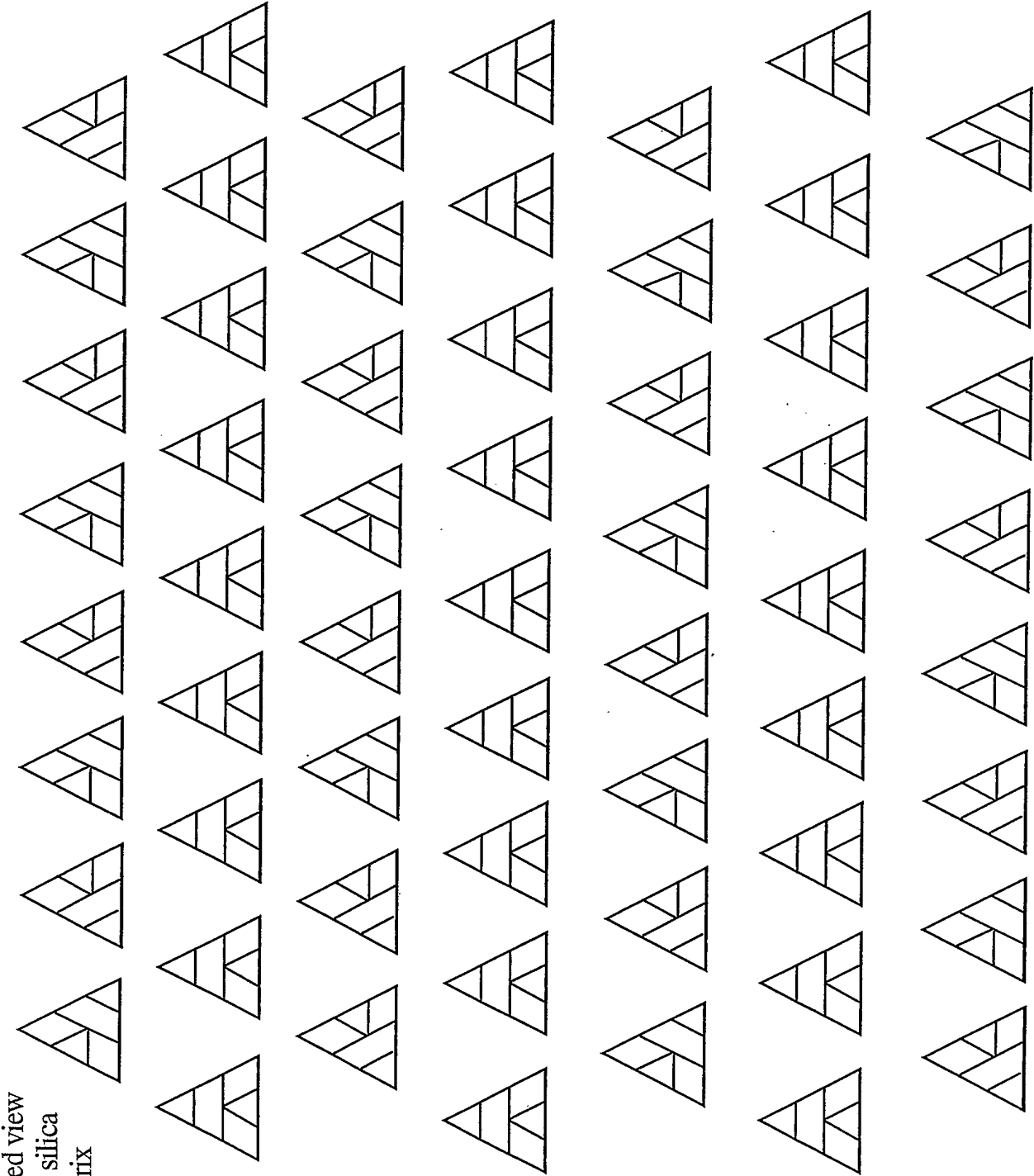
Fig. 6

5/13



6/13

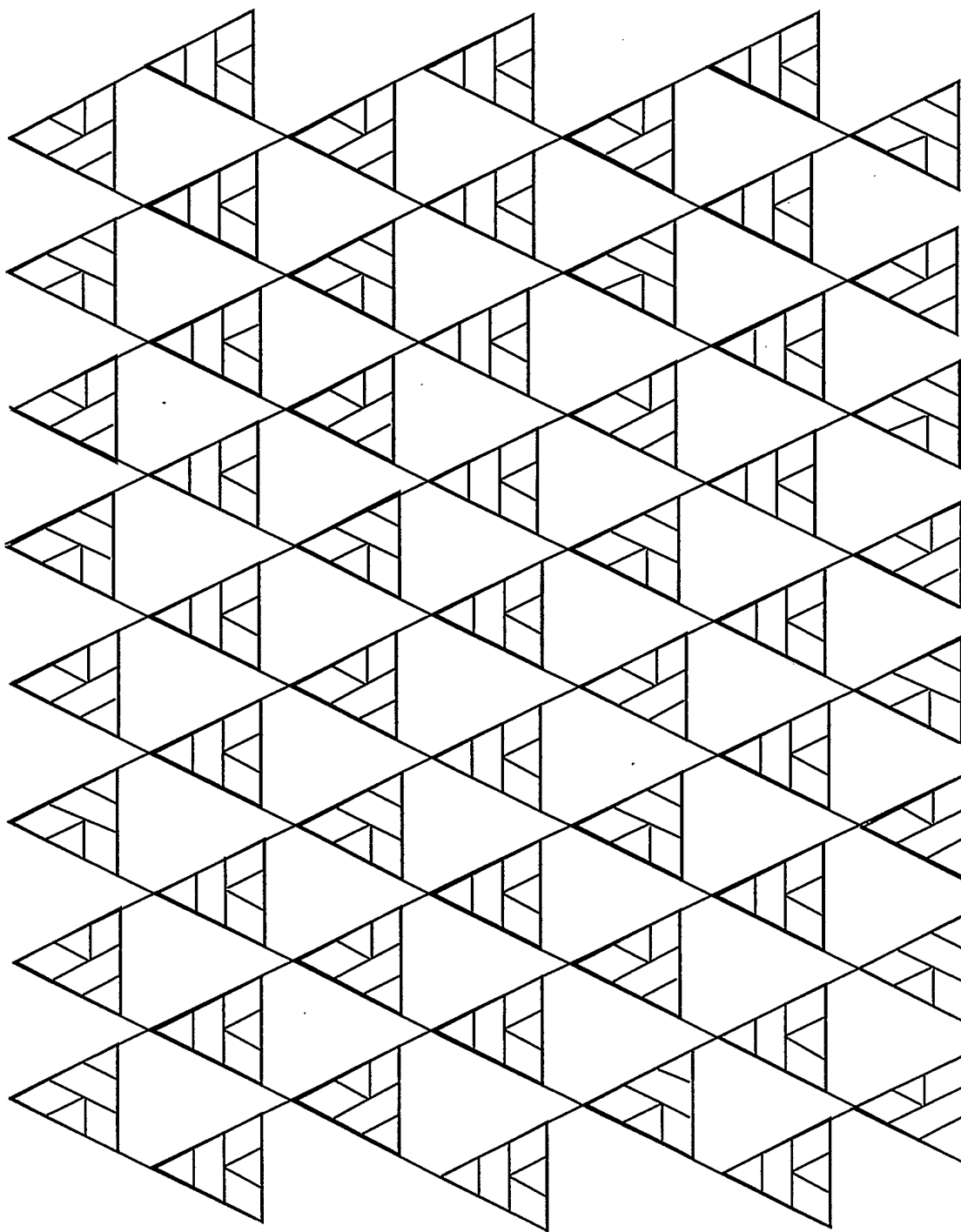




An expanded view  
of aqueous silica  
colloid matrix

Fig. 8

8/13



An expanded view of aqueous silica colloid matrix showing inter-colloid connection points

Fig. 9



9/13

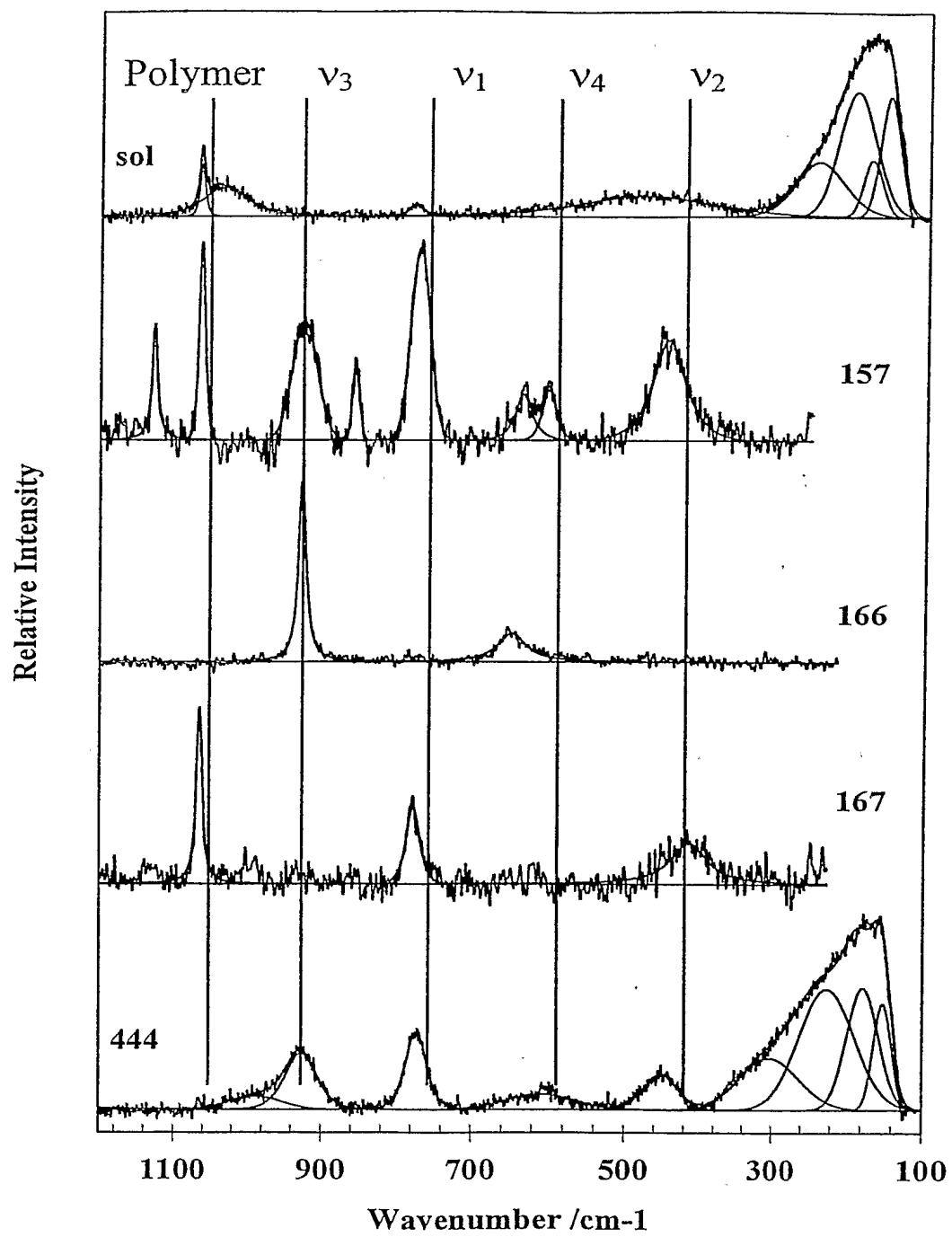


Fig. 10

10/13

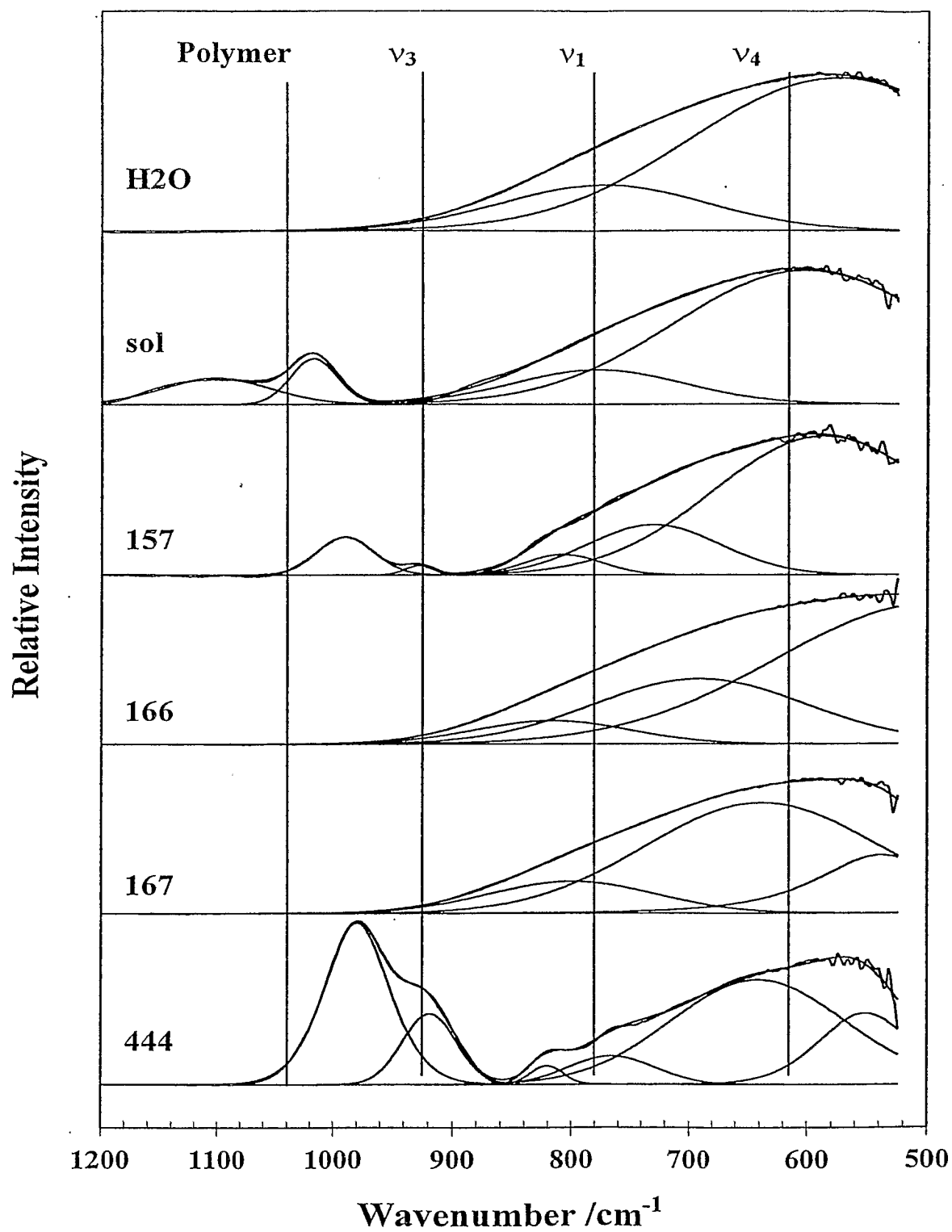


Fig. 11

11/13

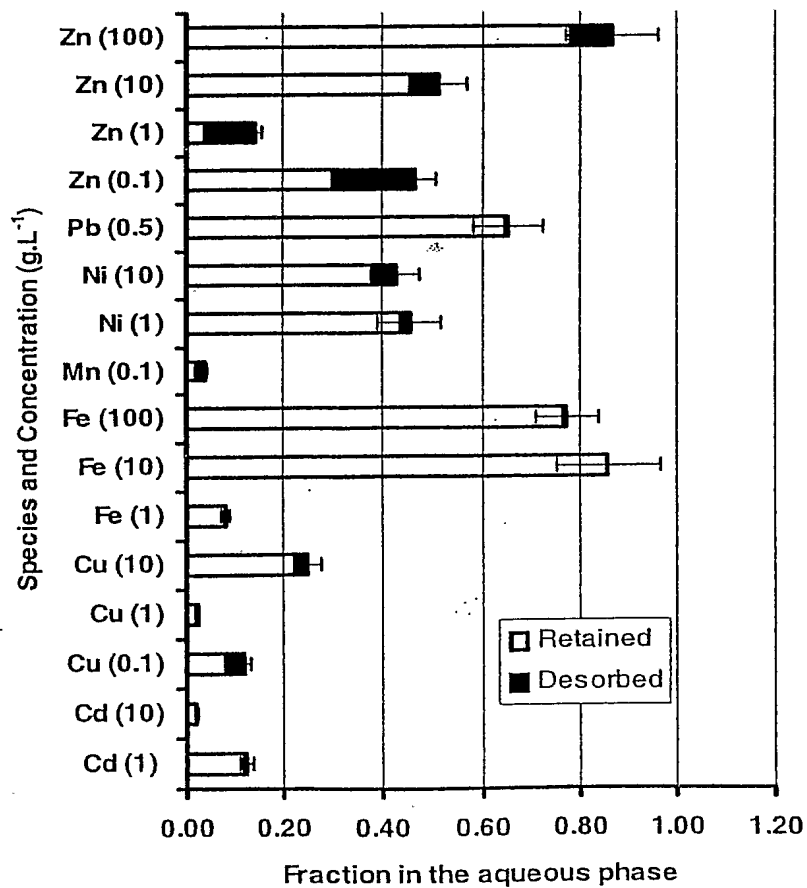
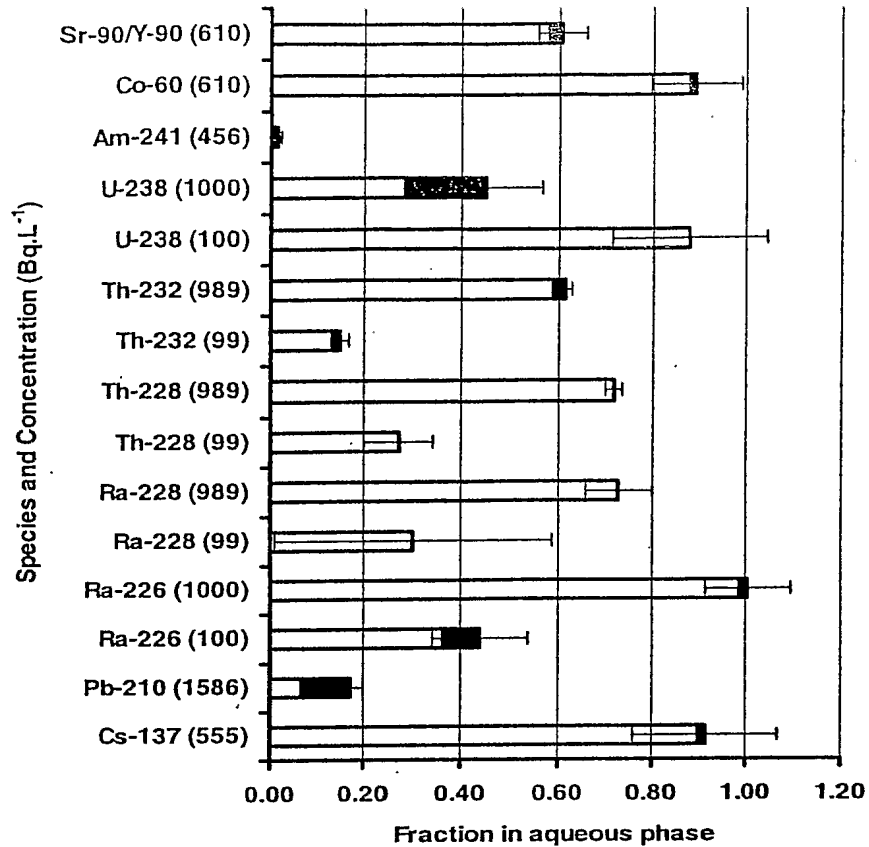


Fig. 12

12/13

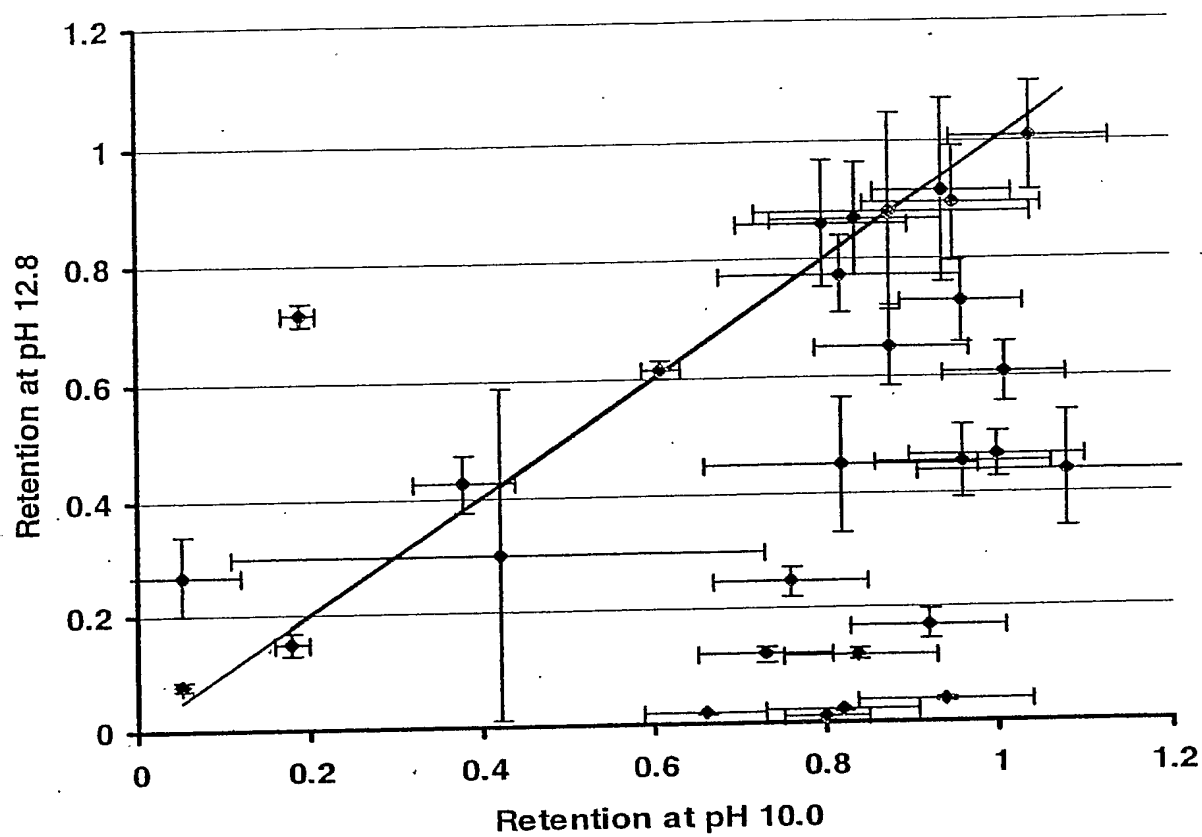


Fig. 13

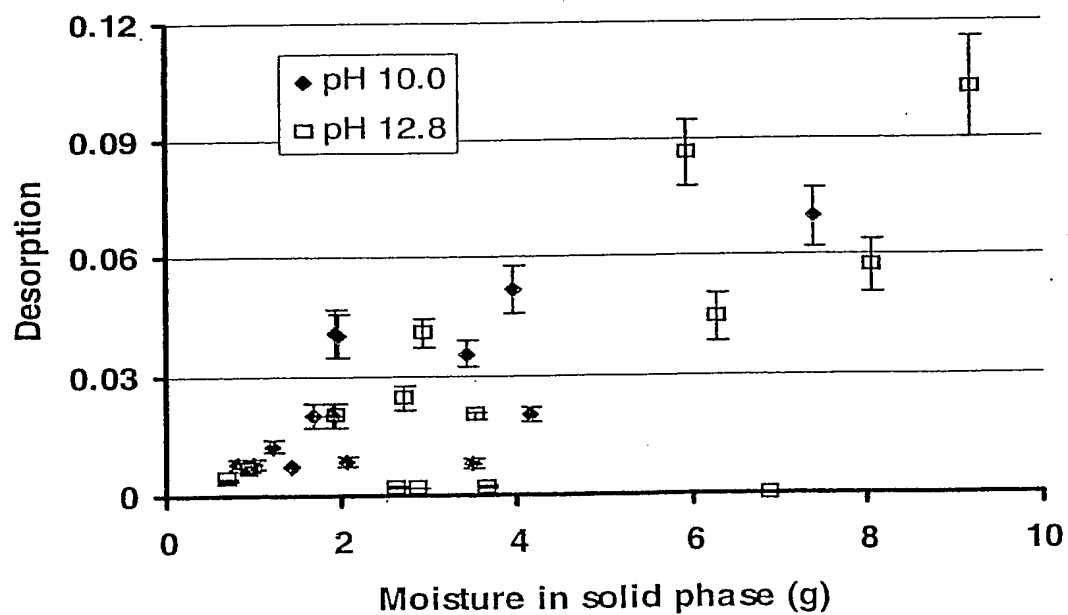


Fig. 14

13/13

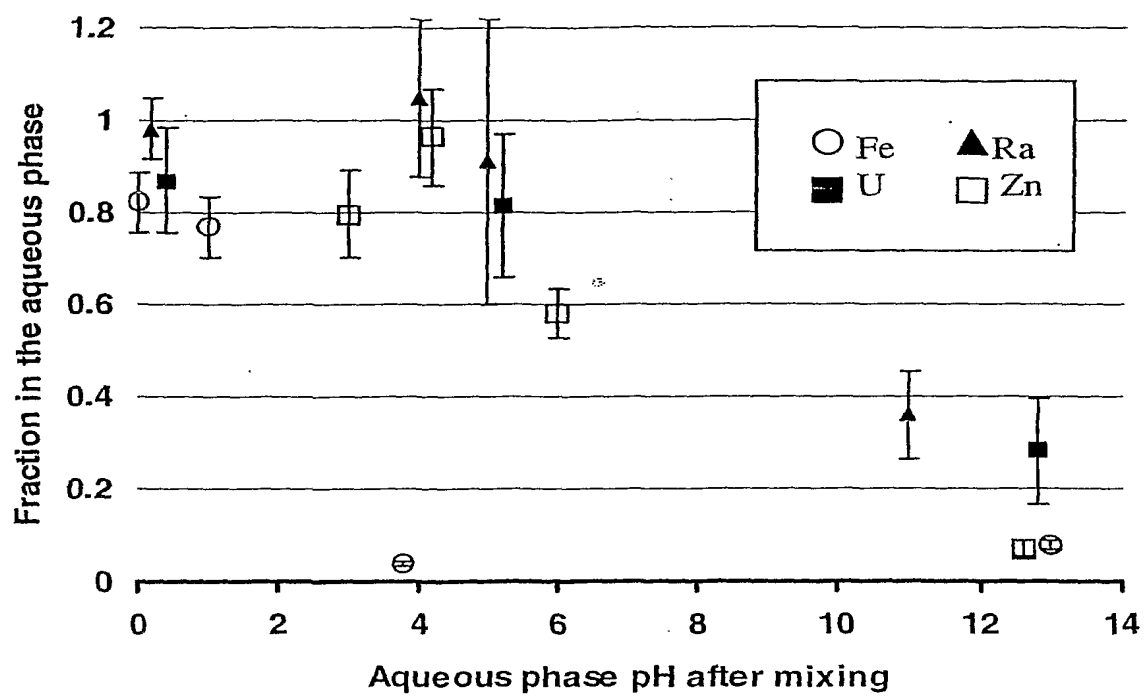


Fig. 15